PERUSE - Personal Safety System Utilising Satellite Combined with Emerging Technologies

Applications: Location-Based Satcom Services

"Our device can be carried or worn by a person, making them feel more secure in the knowledge that they can signal for help at the touch of a button."
George Brosnan, CEO, Securecom Technologies Ltd.

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PROFILE:

The PERUSE Project is developing a Wireless Personal Alarm (WPA) solution which is carried by or worn on a person and allows the user to signal for help at the touch of a button.

Upon activation of an SOS alarm, the WPA transmits a low power signal to a satellite communications handset, which forwards a message to an authorized number, including the identity of the person in distress, as well as their current location. The WPA also has the potential to transmit the user's current state of health and local environmental parameters.

It is likely that recipient of the user's SOS signal will be a suitably equipped Emergency Monitoring Centre with which the user has agreed pre-defined steps to be carried out in the event of an emergency.

Prototypes of the following two devices have been developed:

- a Wireless Personal Alarm (WPA), which will be carried by or worn on a person and allows the user to signal for help at the touch of a button, and

- a Dongle (BTD), which provides a satellite communications handset with a low power wireless link to the WPA.

In the next stages of the project, the devices will be trialed and evaluated.